

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An arc welding apparatus comprising:
a welding torch,
a wire feeding device operable to feed ~~for feeding~~ a wire in contact with an internal surface of a chip of the welding torch, ~~and~~
a welding source operable to supply ~~for supplying~~ a power to the chip and a base metal, ~~wherein there are provided~~ a welding current detector operable to detect ~~for detecting~~ a welding current value and
a welding voltage detector ~~for~~ operable to detect ~~detecting~~ a welding voltage value, wherein the apparatus is operable to display ~~and~~ a wire feeding speed command value, the welding current value and the welding voltage value ~~are displayed~~ independently and simultaneously.

2. (currently amended): An arc welding apparatus comprising:
a welding torch,
a wire feeding device ~~for feeding~~ operable to feed a wire in contact with an internal surface of a chip of the welding torch, ~~and~~
a welding source ~~for~~ operable to supply ~~supplying~~ a power to the chip and a base metal, ~~wherein there are provided~~

a welding current detector ~~for operable to detect~~ detecting a welding current value,
a welding voltage detector ~~for operable to detect~~ detecting a welding voltage value,
a wire feeding speed detector ~~for operable to detect~~ detecting a wire feeding speed,
current display selecting means for carrying out a selection to display one of the welding
current value detected by the welding current detector and a welding current command value,
current display means for displaying data selected by the current display selecting means,
voltage display selecting means for carrying out a selection to display one of the welding
voltage value detected by the welding voltage detector and a welding voltage command value,
voltage display means for displaying data selected by the voltage display selecting
means,

feeding speed display selecting means for carrying out a selection to display one of the
wire feeding speed detected by the wire feeding speed detector, a wire feeding speed command
value and a wire feeding torque, and

feeding speed display means for displaying data selected by the feeding speed display
selecting means, further

wherein all of the current display means, the voltage display means and the feeding speed
display means are independently disposed in the welding source.

3. (currently amended): An arc welding apparatus comprising a robot having a
welding torch provided on a tip of a manipulator and serving to weld a weld line which is taught,
a robot control device for controlling the robot, a robot teaching device connected to the robot
control device, a wire feeding device to be driven by means of a motor, and a welding source for
supplying a power to a chip and a base metal,

wherein the apparatus is operable to select one of a welding current command value and an actual welding current value ~~is selected~~ as welding current value data, and

the apparatus is operable to select one of a welding voltage command value and an actual welding voltage value ~~is selected~~ as welding voltage value data, and

the apparatus is operable to select one of a wire feeding speed command value, an actual wire feeding speed and a torque value of the motor ~~is selected~~ as wire feeding speed data, and the apparatus is operable to display the welding current value data, the welding voltage value data and the wire feeding speed data are simultaneously ~~displayed~~ on the robot teaching device.

4. (new): The apparatus of claim 1 wherein the welding current detector, the welding voltage detector and a display means that is operable to display the welding current value, the welding voltage value and the wire feeding speed command value are disposed in the welding source.